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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant(s):** Thorsten Boger

**AMENDMENT**

**Serial No.:** 09/746,209

**Group Art Unit:** 1314

**Filing Date:** 12/21/2000

**Examiner:** Hien Thi Tran

**Title:** Monolith Loop Reactors

**BOX NON-FEE AMENDMENT**  
Assistant Commissioner for Patents  
Washington, DC 20231

CERTIFICATE OF MAILING (37 CFR 1.8a)  
I hereby certify that this correspondence is being deposited  
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Commissioner for Patents, Washington, DC 20231, on  
March 12, 2003.

*Kees van der Sterre*  
Kees van der Sterre

Sir:

In response to the Office Letter mailed herein on December 12, 2002, please amend  
the above-entitled application as follows:

IN THE SPECIFICATION

Page 6, last full paragraph:

*AN*

The monolithic loop reactor embodiments 40 shown in Figs. 3, 4, 5 and 6  
are adapted for a three-phase or solid catalyzed gas/liquid reaction, and have a  
recirculating gas feed system with a control valve 38. It will be noted that the  
position of the honeycomb monolithic substrate 12 of Fig. 3 is similar to that of Fig. 1,  
whereas the position of the honeycomb monolithic substrate 32 of Figs. 4, 5 and 6, is  
similar to that of Fig. 2. However, the internal flow agitator utilized in the  
embodiments of Figs. 3 and 4 is in the form of a gas header or sparger. In Fig. 3,  
the header or sparger 42 is in the form of a disk positioned within container 14 below  
monolith or monolithic substrate 12, whereas in Fig. 4, the header or sparger 44 is in  
the form of a ring or annulus and positioned within container 34 below monolith or  
monolithic substrate 32.